

## **IN THE CLAIMS:**

### **Amendments to the Claims**

Please amend the claims as shown below.

### **Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) An X-ray CT apparatus comprising:

X-ray generating means for generating an X-ray;

X-ray detecting means arranged opposite to the X-ray generating means for two-dimensionally detecting an X-ray dose which is transmitted through an object to be examined;

holding means for holding the X-ray generating means and the X-ray detecting means so that the object is positioned therebetween;

first rotation driving means for driving the holding means to rotate ~~along the circumference of~~ on a locus of movement around the object;

~~containing support~~ means for ~~containing supporting~~ the first rotation driving means ~~attached to the holding means~~;

image processing means for producing an image of the object on the basis of the X-ray dose detected by the X-ray detecting means; and

image display means for displaying the image produced in the image processing means,

further comprising;

second rotation driving means to integrally rotate the holding means ~~contained in supported by the containing support~~ means and the ~~containing support~~ means in a manner such that the rotation center of the second rotation driving ~~mean means~~ is in-parallel with the rotation center of the first rotation driving means and is located at a different position from that of the first rotation driving means; and

drive control means for controlling the first rotation driving means in a first imaging mode and separately controlling the first rotation driving means and the second rotation driving means in a second imaging mode.

2. (currently amended) An X-ray CT apparatus according to claim 1, wherein the drive control means performs ~~the~~ control for execution of each of the first imaging mode and the second imaging mode.

3. (original) An X-ray CT apparatus according to claim 1, wherein the image processing means reconstructs a two-dimensional tomographic image or a three-dimensional image of the object in the first imaging mode, and reconstructs a panoramic image of the object in the second imaging mode.

4. (currently amended) An X-ray CT apparatus according to claim 1, wherein each of the rotation center of the first rotation driving means and the second rotation driving means is arranged so that the distance therebetween is determined on the basis of ~~a~~the size of an imaging region of the object.

5. (currently amended) An X-ray CT apparatus according to claim 1, wherein ~~a~~the rotation angle of the second rotation driving means is determined so that each of the holding means and the first rotation driving means is located in a predetermined imaging region of the object.

6. (currently amended) An X-ray CT apparatus according to claim 1, wherein, in the case of executing the second imaging mode, differences in ~~an~~ expansion ratio of a fluoroscopic image of the object, which occur due to differences in the distance between the ~~circumference~~locus of movement of the center of the

first rotation driving means and each imaging region of the object, are corrected by an image calculating processing.

7. (currently amended) An X-ray CT apparatus according to claim 1, wherein said holding means in a rotative arm; and the second rotation driving means is rotatable around a center of rotation ~~axis~~ of the rotative arm on a ~~circumference~~ locus of movement ~~simulating a-the shape of the-an~~ imaging region of the object, positions the local X-ray irradiating region in the first imaging mode, and adjusts ~~an~~ the imaging direction in the combination of the position of the irradiating region and a rotation angle of the rotative arm in the second imaging mode.

8. (currently amended) An X-ray CT apparatus according to claim 1, wherein said holding means is a rotative arm; and the second rotation driving means is rotatable around a center of rotation ~~axis~~ of the rotative arm on a circumference ~~simulating a-the shape of the-an~~ imaging region of the object, and has a mechanism for varying ~~a-the~~ diameter of the ~~circumference~~ locus of movement of the center of the first rotation driving means.

9. (currently amended) An X-ray CT apparatus according to claim 1, wherein by ~~the~~-locally repeating the first imaging mode plural times along the imaging region of the object with the second rotation driving means, image data in the first imaging mode over the imaging region of the object are acquired, and a panoramic image over the imaging region, a tomographic image or a three-dimensional image of an arbitrary cross section of the object is reconstructed from the image data.